

### REMARKS

This is intended as a full and complete response to the Office Action dated February 21, 2008, having a shortened statutory period for response set to expire on May 21, 2008. Applicant has attached a Petition for a One Month Extension of Time, in accordance with 37 C.F.R. §1.136, extending the statutory period until June 21, 2008, which is a Saturday, therefore a response filed on June 23, 2008, with a one-month extension of time is timely. Applicant requests entry and consideration of the above noted amendments and the following remarks in response to the Office Action.

Claims 21-28 and 31-41 are currently pending in the application. Claims 1-20, 22, and 28-31 have been canceled. Claims 29 and 30 were withdrawn, but are now canceled. Applicant has amended claims 21 and 39.

#### Claim Objections

Claims 21 and 39 have been objected to for informalities. Applicant has amended claims 21 and 39 as suggested by the Examiner. Applicant also amended claims 21 and 39 to correct a typographical error with regard to "boronate", which should be "borane". Support for such an amendment can be found at least at page 8, line 3 of the specification. Therefore, Applicant requests withdrawal of such objection and allowance of the claims.

#### Claim Rejections

##### 35 U.S.C. § 112, second paragraph

Claims 21, 23-27, and 31-41 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Applicant has amended claim 21 and 39 to state that g is 2. Support for such an amendment can be found in the original claims. Applicant has amended claims 21 and 39 to state that n is 1, 2, or 4. Support for such an amendment can be found at least at page 13 and in the claims 23, 24, and 25 wherein the claims state that the Cp has no more than two substituents (claims 23), the Cp has at least one substituent (claim 24), and the Cp has at least two substituents (claim 25). Applicant has amended claims 21 and 39 to specify the second constituent, specifically amending the

claims to include the limitations of claim 31 and withdrawn claims 29 and 30. Support for such amendments can be found at least at page 7, first and second paragraphs.

Additionally, Applicant respectfully argues that the limitations now contained in the amended claim provide sufficient guidance for one of ordinary skill in the art, specifically that the metallocene is an unbridged zirconium based metallocene catalyst substituted with at least one bulky substituent and that the post-metallocene catalyst is an iron complex of a 2,6-bis(imino)pyridyl ligand. Furthermore, the second catalyst component must also be effective in producing a low molecular weight polymer product.

Applicant respectfully requests withdrawal of these rejections and allowance of the claims.

35 U.S.C. § 103(a)

Claims 21, 24-27, and 32-41 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Canich et al. (U.S. 6,194,341).

Applicant respectfully argues that Canich discloses a titanium based metallocene and does not disclose a hafnium based metallocene. A person of ordinary skill in the art would not have modified the teachings of Canich to produce the claimed hafnocene catalyst system and process. Applicant requests withdrawal of this rejection and allowance of the claims.

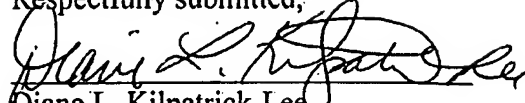
Claims 21-27 and 32-41 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Loveday et al. (U.S. 6,248,845).

Applicant has amended claims 21 and 39 to include the limitation of claim 31. Applicant respectfully argues that Loveday does not teach, show, or suggest the presently amended claims, nor is there any reason for one of ordinary skill in the art to modify such teachings to produce the claimed catalyst system and process. Applicant requests withdrawal of this rejection and allowance of the claims.

In conclusion, Applicant submits that the references cited in the Office Action, neither alone nor in combination, teach, show, or suggest the claimed features. Having addressed all issues set out in the Office Action, Applicant respectfully submits that the claims are in condition for allowance and respectfully requests the same.

Date 06/23/08

Respectfully submitted,



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